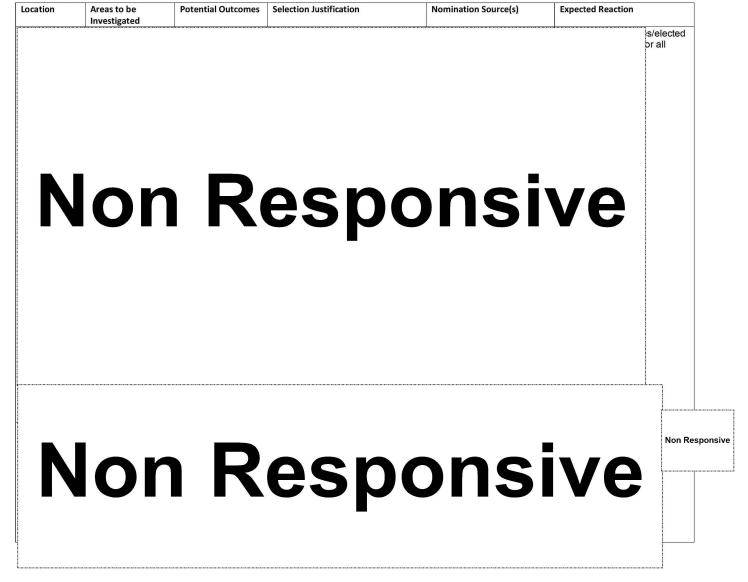
TABLE X. RETROSPECTIVE CASE STUDY FINALISTS



## Non Responsive

Non Responsive positive for communities, state, varies for elected Marcellus Ground water Determine source Proximity of population and • Public meeting Shale and drinking of contamination drinking water supplies (Canonsburg, PA and Bradford and water well in drinking water • Magnitude of activity – very high Binghamton, NY); Susquehanna contamination well density of production wells Damascus Citizens Group; Counties Suspected Determine source • Evidence of impaired water quality EPA region III (Dimock), PA surface water of methane in documented cases of ground contaminationprivate wells water impacts, impacts to private from a spill of Transferable wells fracturing fluids results due to Health and environmental Methane common types of  $concerns-reported\ illnesses$ contamination of impacts Knowledge gap that could be filled multiple drinking by a case study include issues of water wells stray gas, aquifer degradation, surface water impacts from spills/leaks Geographic and geologic diversity-Marcellus shale Diversity of suspected impacts to

	drinking water resources including stray gas, spills, pit leaks  Population at risk, potential for risk reduction Site status active-ongoing concerns, dissatisfaction with ongoing investigations Unique geological or hydrological features-rolling hills as opposed to flat lands of TX Characteristics of water resources – questions regarding extent of aquifer degradation/future use Multiple nominations from diverse stakeholders Land-use - suburban, rural	as Animas
		ates/elected
		e for all

## Non Responsive

## Non Responsive

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Marcellus Shale – Washington County, PA	Changes in water quality in drinking water, suspected contamination Stray gas in wells, spills  Output  Description:	Determine extent of impact to surface and ground water from surface spill     Investigate source of contaminants in drinking water	Proximity of population and drinking water supplies – private wells and surface waters  Magnitude of activity – high density of activity/production wells  Evidence of impaired water quality in private wells, impacts to surface water  Health and environmental concerns of general nature  Knowledge gap that could be filled by a case study include stray gas, spills  Geographic and geologic diversity-Marcellus shale  Diversity of suspected impacts to drinking water resources including stray, spills  Population at risk, potential for risk reduction  Site status – ongoing active concerns, dissatisfaction with ongoing investigations  Unique geological or hydrological features-Marcellus shale  Characteristics of water resources – concerns with reduced water quality in private wells, impacts to surface waters  Multiple nominations from stakeholders  Land-use (rural, agricultural)	Public meeting (Canonsburg, PA), EPA Region III, Damascus Citizens group	positive for communities, state, varies for elected officials

Prospective case studies where EPA will monitor key aspects of the hydraulic fracturing process at future hydraulic fracturing sites:

Non Responsive

Non Responsive
 Marcellus Shale - Washington County, PA (DOE and Range Resources)- expected reactions: positive for communities and state, varies for elected officials

## Non Responsive